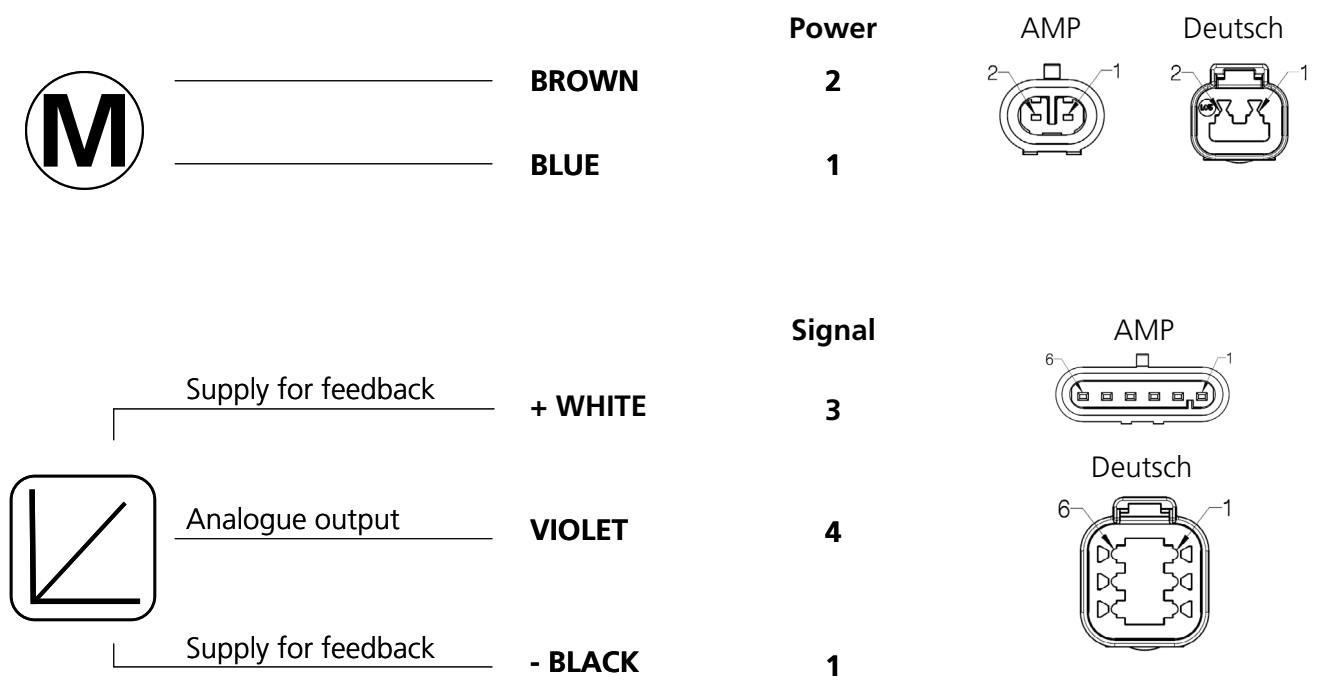


Actuator LA36  
With absolute positioning -  
Mechanical potentiometer  
**Connection diagram**

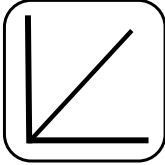


## Connection diagram

36XXXXXXXXP00XX-XXXXXXXXXXXXXXXXXX



## I/O specifications

| Input/Output | Specification   | Comments   |
|--------------|---|--|
| Description  | The actuator can be equipped with a mechanical potentiometer, 10 k ohm.   | <br>Bourns 0-10 k ohm, 5 %, 10-Turn                        |
| Brown        | 12 V DC $\pm$ 20 %, max. 26 A depending on load<br>24 V DC $\pm$ 10 %, max. 13 A depending on load<br>36 V DC $\pm$ 10 %, max. 10 A depending on load<br>48 V DC $\pm$ 10 %, max. 8 A depending on load   | To extend actuator:<br>Connect Brown to positive<br>To retract actuator:<br>Connect Brown to negative  |
| Blue         |   | To extend actuator:<br>Connect Blue to negative<br>To retract actuator:<br>Connect Blue to positive  |
| Red          | Not to be connected   |  |
| Black        | Signal power supply GND (-)   |  |
| Green        | Not to be connected   |  |
| Yellow       | Not to be connected   |  |
| Violet       | Mechanical potentiometer output<br><br>Output range with 8 mm spindle pitch (LA37 only):<br>1 k ohm = 0 mm stroke<br>11 k ohm = 333 mm stroke<br><br>Output range with 12 mm spindle pitch:<br>1 k ohm = 0 mm stroke<br>11 k ohm = 500 mm stroke<br><br>Output range with 20 mm spindle pitch:<br>1 k ohm = 0 mm stroke<br>11 k ohm = 833 mm stroke | +10 V or other value<br><br>Output protection:<br>1 k ohm protection resistor in series with the potentiometer<br><br>Linearity: $\pm$ 0.25% |
| White        | VCC+ to POT<br>10 V DC or other values  |  |



Please note that Potentiometer is not possible on variants with fast gear (Spindle pitch 20 mm, H Gear).

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